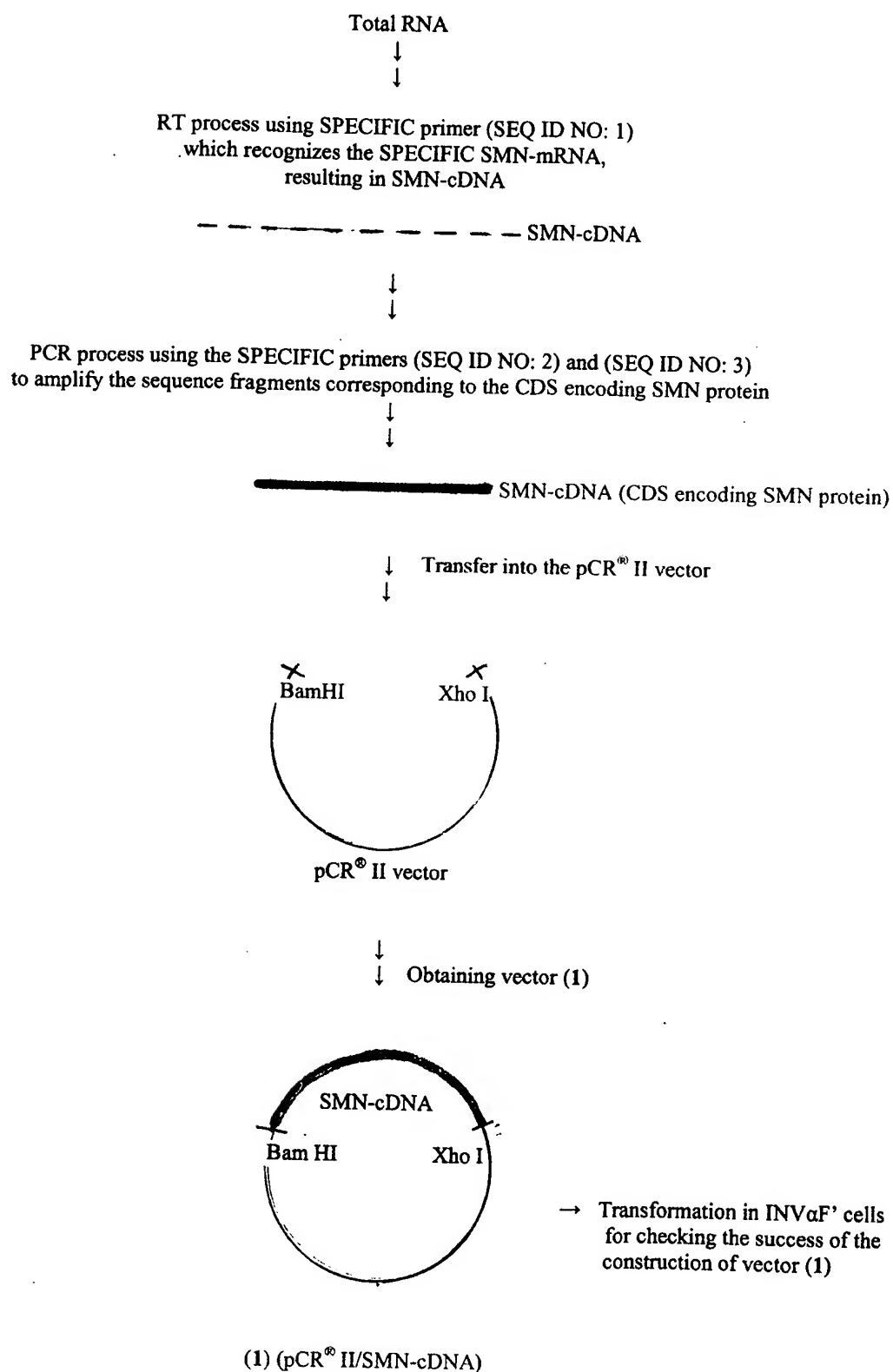
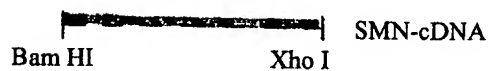


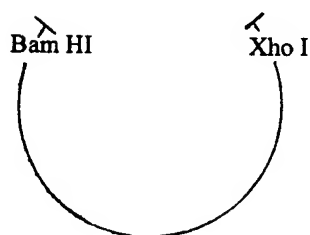
Fig. 1 - Representation of the different steps of the construction of the expression plasmids for human SMN protein.



↓ Isolation of the SMN-cDNA by digestion of (1) with  
↓ Bam HI and Xho I



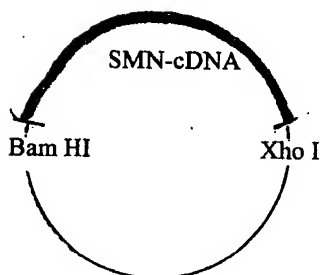
↓ Transfer into the pFastBac HTb<sup>TM</sup> vector  
↓ predigested with Bam HI and Xho I



Bac-to-Bac<sup>®</sup> Baculovirus  
Expression System

pFastBac HTb<sup>TM</sup> vector

↓ Obtaining vector (2)  
↓

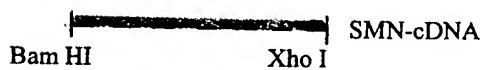


Transformation in INVαF' cells  
for checking the success of the  
construction of vector (2)

Transformation in DH10Bac<sup>TM</sup>  
cells for obtaining the  
recombinant bacmid DNA  
vector (3) to use for  
transfection in insect cells

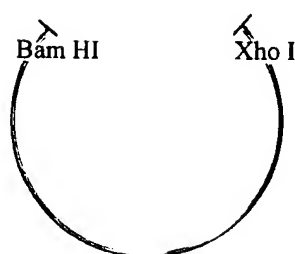
(2) (pFastBac HTb<sup>TM</sup>/SMN-cDNA)

↓ Isolation of SMN-cDNA by digestion of (2)  
↓ with Bam HI and Xho I



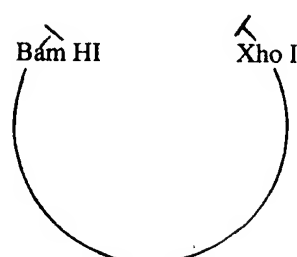
Transfer into the pBlue Bac His 2A  
vector predigested with Bam HI and Xho I

Transfer into the pET-28 (+) vector  
predigested with Bam HI and Xho I



Bac-N-Bac™ Baculovirus  
Expression System

pBlue Bac His 2A

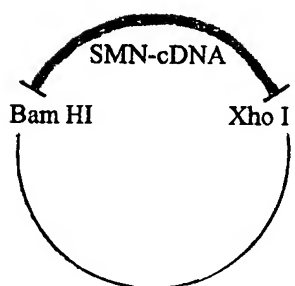


Prokaryotic  
Expression  
System

pET- 28a (+)

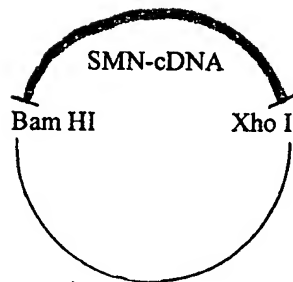
↓ Obtaining vector (4)

↓ Obtaining vector (5)



→ Transformation in  
INVαF' cells for  
checking the success  
of the construction  
of vector (4)

(4) (pBlue Bac His 2A / SMN-cDNA)



→ Transformation  
in INVαF' cells  
for checking  
the success of  
the construction  
of vector (5)

(5) (pET- 28a (+) / SMN-cDNA)